AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A digital information embedding device, comprising: input device means-receiving a digital content input;

<u>a</u> feature value <u>detector</u> <u>detection means</u> detecting a feature value of at least a partial area of said digital content input; and

<u>an</u> information <u>embedder embedding means</u>-modifying said area, based on said feature value detected; <u>wherein</u>

said information embedder includes a range determination section which

determines a variation range for the pixel value, based on said feature value detected; and

said information embedder changes a value of the pixel in said area within said

variation ranged determined.

2. (Currently Amended) The digital information embedding device of claim 1, wherein:

said input <u>device means</u> receives an image; and said feature value <u>detector detection means</u> detects as said feature value a value

3. (Currently Amended) The digital information embedding device of claim 2, wherein said information <u>embedder embedding means</u>-changes a value of a pixel in said

indicating a level allowing a human visual sense to perceive a pixel value vary.

area only when said feature value detected is a value preventing the human visual sense from perceiving the pixel value vary.

- 4. (Currently Amended) The digital information embedding device of claim 2, wherein said information embedder embedding means includes a range determination section means setting a larger variation range for the pixel value if said feature value detected has a higher level allowing the human visual sense to perceive the pixel value vary, and said information embedder embedding means changes a value of the pixel in said area within said variation range determined.
 - 5. (Cancelled).
- 6. (Currently Amended) The digital information embedding device of claim 1, wherein said feature value <u>detector detection means</u>-includes <u>a transform section means</u> orthogonally transforming a value of a pixel in said area to detect as said feature value at least one high frequency component of a frequency component orthogonally transformed.
- 7. (Currently Amended) The digital information embedding device of claim 1, wherein:

said input device means receives an image;

said feature value <u>detector detection means</u> detects as a feature value a value in brightness of a pixel included in said area; and

said information <u>embedder embedding means</u> includes <u>a range</u> determination <u>section means</u> setting a larger variation range for a pixel value if said value in brightness

detected is smaller, and said information <u>embedder embedding means</u>-changes a value in brightness of the pixel in said area within said variation range determined.

8. (Currently Amended) A computer-readable recording medium having recorded therein a program provided to embed digital information and causing a computer to perform the steps of:

receiving a digital content input;

detecting a feature value of at least a partial area of said digital content input; and modifying said area, based on said feature value detected.

wherein the step of modifying includes the step of determining a variation range for the pixel value, based on said feature value detected, and of changing a value of the pixel in said area within said variation range determined.

9. The recording medium of claim 8, wherein:

the step of receiving includes the step of receiving an image; and

the step of detecting includes the step of detecting as said feature value a value indicating a level allowing a human visual sense to perceive a pixel value vary.

- 10. The recording medium of claim 9, wherein the step of modifying changes a value of a pixel in said area only when said feature value detected is a value preventing the human visual sense from perceiving the pixel value vary.
- 11. The recording medium of claim 9, wherein the step of modifying includes the step of setting a larger variation range for the pixel value if said feature value detected

has a higher level allowing the human visual sense to perceive the pixel value vary, and of changing a value of the pixel in said area within said variation range determined.

- 12. (Cancelled).
- 13. The recording medium of claim 8, wherein the step of detecting includes the step of orthogonally transforming a value of a pixel in said area to detect as said feature value at least one high frequency component of a frequency component orthogonally transformed.
 - 14. The recording medium of claim 8, wherein:

the step of receiving includes the step of receiving an image;

the step of detecting includes the step of detecting as a feature value a value in brightness of a pixel included in said area; and

the step of modifying includes the step of setting a larger variation range for a pixel value if said value in brightness detected is smaller, and of changing a value in brightness of the pixel in said area within said variation range determined.

15. (Currently Amended) A method of embedding digital information, comprising the steps of:

receiving a digital content input;

detecting a feature value of at least a partial area of said digital content input; and modifying said area, based on said feature value detected,

wherein the step of modifying includes the step of determining a variation range for the pixel value, based on said feature value detected, and of changing a value of the pixel in said area within said variation range determined.

16. The method of claim 15, wherein:

the step of receiving includes the step of receiving an image; and

the step of detecting includes the step of detecting as said feature value a value indicating a level allowing a human visual sense to perceive a pixel value vary.

- 17. The method of claim 16, wherein the step of modifying changes a value of a pixel in said area only when said feature value detected is a value preventing the human visual sense from perceiving the pixel value vary.
- 18. The method of claim 16, wherein the step of modifying includes the step of setting a larger variation range for the pixel value if said feature value detected has a higher level allowing the human visual sense to perceive the pixel value vary, and of changing a value of the pixel in said area within said variation range determined.
 - 19. (Cancelled).
- 20. The method of claim 15, wherein the step of detecting includes the step of orthogonally transforming a value of a pixel in said area to detect as said feature value at least one high frequency component of a frequency component orthogonally transformed.
 - 21. The method of claim 15, wherein:

the step of receiving includes the step of receiving an image;

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the step of detecting includes the step of detecting as a feature value a value in brightness of a pixel included in said area; and

the step of modifying includes the step of setting a larger variation range for a pixel value if said value in brightness detected is smaller, and of changing a value in brightness of the pixel in said area within said variation range determined.